

CLAIMS LISTING

This listing of claims will replace all prior versions, and listings, of the claims in the application.

Claims 1-22 (Cancelled).

23. (Currently Amended) A method for preserving a wood product comprising the step of contacting the product with a wood preservative composition comprising: (a) an inorganic biocide component selected from the group consisting of a metal, metal compound and combinations thereof; and (b) one or more organic biocides, wherein ~~at least~~ the inorganic biocide component or the organic biocide is present as micronized particles.

24. (Currently Amended) The method of claim ~~22~~ 23, further comprising the step of pressure treating the wood product with the wood preservative composition.

25. (Currently Amended) The method of claim 23, wherein both the inorganic biocide component and the organic biocide are present as micronized particles.

26. (Currently Amended) The method of claim 23, wherein the inorganic biocide component is ~~selected from the group consisting of~~ copper, ~~cobalt, cadmium,~~ nickel, silver, ~~tin,~~ zinc and compounds thereof.

27. (Currently Amended) The method of claim ~~23~~ 26, wherein the copper compound ~~inorganic component~~ is selected from the group consisting of ~~copper,~~ copper hydroxide, copper oxide, copper carbonate, basic copper carbonate, copper oxychloride, copper 8-hydroxyquinolate, copper dimethyldithiocarbamate, copper omadine and copper borate.

28. (Currently Amended) The method of claim 23, wherein the inorganic biocide component is copper carbonate or copper hydroxide and the organic biocide is a quaternary ammonium compound selected from the group consisting of alkyl dimethyl benzyl ammonium chloride, dimethyldidecyl ammonium chloride and dimethyldidecyl ammonium carbonate, dimethyldidecyl ammonium bicarbonate.

29. (Currently Amended) The method of claim ~~25~~28, wherein the inorganic biocide component is copper carbonate and the organic biocide is dimethyldidecyl ammonium carbonate.

30. (Currently Amended) The method of claim 29, wherein the size of the micronized copper carbonate particles is between ~~0.05~~ 0.005 and ~~4.0~~ 25 microns.

31. (Currently Amended) The method of claim 23, wherein the inorganic biocide component is copper carbonate and the organic biocide is tebuconazole.

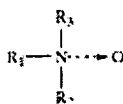
32. (Currently Amended) The method of claim 23, wherein the inorganic biocide component is a water soluble metal compound and the organic biocide is present as micronized particles.

33. (Currently Amended) The method of claim 32, wherein the inorganic biocide component is selected from the group consisting of copper nitrate, copper sulfate and copper acetate.

34. (Currently Amended) The method claim 23, wherein the wood preservative composition for treating wood further comprises an agent selected from the group consisting of water repellants, colorants, emulsifying agents, dispersants, stabilizers and UV inhibitors.

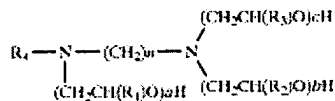
35. (Currently Amended) The method of claim 23, wherein the wood preservative composition for treating wood further comprises one or more enhancing agents.

36. (Original) The method of claim 35, wherein the enhancing agent is a trialkylamine oxide having the following structure



where R1 is a linear or cyclic C8 to C40 saturated or unsaturated group and R2 and R3 independently are linear C1 to C40 saturated or unsaturated groups.

37. (Original) The method of claim 35, wherein the enhancing agent is an alkoxyated diamine having the following structure



where n is an integer from 1 to 4; R1, R2 and R3 are independently selected from the group consisting of hydrogen, methyl, ethyl and phenyl; a, b and c are each integers from 1 to 6; and R4 is fatty alkyl of C8 to C22.

38. (Currently Amended) A method for wood preservation comprising the steps of treating

wood with a composition comprising micronized particles selected from the group consisting of metal, metal compounds and combinations thereof, wherein the size of the micronized particles is between 0.005 and 25 microns.

39. (Currently Amended) The method of claim 38, wherein the micronized particles are selected from the group consisting of copper, ~~cobalt, cadmium~~, nickel, silver, ~~tin~~, zinc and compounds thereof.

40. (Currently Amended) The method of claim 38, wherein the micronized particles comprise metal ~~and/or~~ or metal compounds selected from the group consisting of copper, copper hydroxide, copper oxide copper carbonate, basic copper carbonate, copper oxychloride, copper 8-hydroxyquinolate, copper dimethyldithiocarbamate, copper omadine, copper borate and combinations thereof.

41. (Currently Amended) The method of claim 40, wherein the micronized particle size is between 0.005 and 10 microns.

42. (Currently Amended) The method of claim 41, wherein the micronized particle size is between 0.05 and 1.0 microns.

43. (Original) The method of claim 40, wherein the treatment of wood is carried out by a process selected from the group consisting of pressure treatment, spraying, dipping and brushing.

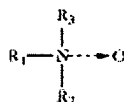
44. (Original) The method of claim 43, wherein the treatment of wood is carried out by

pressure treatment.

45. (Currently Amended) The method of claim 38 wherein the wood is treated with a wood preservative composition further comprising an agent selected from the group consisting of water repellants, colorants, emulsifying agents, dispersants, stabilizers and UV inhibitors.

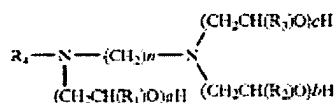
46. (Currently Amended) The method of claim 38, wherein the wood is treated with a wood preservative composition further comprising one or more enhancing agents.

47. (Original) The method of claim 46, wherein the enhancing agent is a trialkylamine oxide having the following structure



where R1 is a linear or cyclic C8 to C40 saturated or unsaturated group and R2 and R3 independently are linear C1 to C40 saturated or unsaturated groups.

48. (Original) The method of claim 46, wherein the enhancing agent is an alkoxyated diamine having the following structure



where n is an integer from 1 to 4; R1, R2 and R3 are independently selected from the group consisting of hydrogen, methyl, ethyl and phenyl; a, b and c are each integers from 1 to 6; and R4 is fatty alkyl of C8 to C22.

Claims 49-56 (Cancelled).

57. (Currently Amended) The method of claim 23, wherein the inorganic biocide component is copper carbonate hydroxide and the organic biocide is a compound selected from the group consisting of the compounds in Table 1.

Claims 58-95 (Cancelled).

96. (New) The method of claim 23, wherein the micronized particles have a size of between 0.001 microns to 25 microns.

97. (New) The method of claim 96, wherein the micronized particles have a size of between 0.001 microns to 10 microns.

98. (New) The method of claim 97, wherein the micronized particles have a size of between 0.05 microns to 10 microns.

99. (New) The method of claim 98, wherein the micronized particles have a size of between 0.05 microns to 1.0 microns.

100. (New) The method of claim 28, wherein the inorganic biocide is copper carbonate and the organic biocide is dimethyldidecylammonium bicarbonate.

101. (New) The method of claim 30, wherein the size of the micronized copper carbonate particles is between 0.05 and 25 microns.

102. (New) The method of claim 101, wherein the size of the micronized copper carbonate particles is between 0.05 and 10 microns.

103. (New) The method of claim 102, wherein the size of the micronized copper carbonate particles is between 0.05 and 1 microns.

104. (New) The method for wood preservation of claim 38 comprising the steps of treating wood with a composition comprising micronized particles selected from the group consisting of metal, metal compounds and combinations thereof, wherein the size of the micronized particles is between 0.05 and 10 microns.

105. (New) The method for wood preservation of claim 104 comprising the steps of treating wood with a composition comprising micronized particles selected from the group consisting of metal, metal compounds and combinations thereof, wherein the size of the micronized particles is between 0.05 and 1 microns.